

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

June 21, 1984

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

- References:
1. My letter to A. Schwencer dated September 9, 1980.
 2. My letter to you dated November 4, 1983.
 3. Letter dated April 18, 1977 from J. E. Gilleland to R. S. Boyd.
 4. My letter to you dated January 12, 1984.

By reference 1, TVA provided additional information concerning the fire protection program for Watts Bar Nuclear Plant. By reference 2, TVA provided a revision to this information. Enclosed is an additional revision for NRC review.

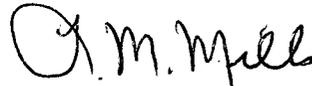
By reference 3, TVA provided fire protection information concerning compliance with Appendix A to Branch Technical Position (BTP) 9.5-1. This submittal was revised by reference 4. Enclosed is a revision to the submittal of reference 4.

The subject revisions resolve inconsistencies and conflicts in TVA's various submittals concerning valves in the underground fire protection piping and automatic sprinkler systems.

If you have any questions concerning this matter, please get in touch with D. P. Ormsby at FTS 858-2682.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 21st day of June 1984

Paulette J. White
Notary Public
My Commission Expires 9-5-84

Enclosure
cc: See page 2

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Director of Nuclear Reactor Regulation

June 21, 1984

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Mr. James P. O'Reilly Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2

FIRE PROTECTION SUBMITTAL - SEPTEMBER 9, 1980

QUESTION 24

Change TVA response 1 to read:

TVA Response

The Watts Bar Nuclear Plant underground yard fire main loop meets the requirements of NFPA 24, ANSI, and AWWA with the following exceptions:

- (1) Some valves and equipment installed prior to the implementation of TVA's Fire Protection Re-evaluation Program are not UL-listed or FM-approved.

Underground valves are either of the postindicator or curb-box type. Postindicator valves will be sealed and inspected at least once per 31 days for proper alignment. Curb-box valves will not be sealed but will be inspected at least once per 31 days for proper alignment.

COMPARISON TO APPENDIX A TO THE BRANCH TECHNICAL

POSITION 9.5-1 - JANUARY 12, 1984

Change Paragraph E.2.a to read:

E2 Fire Protection Water Supply System

Item (a)

An underground yard fire main loop is provided at Watts Bar Nuclear Plant to furnish anticipated fire water requirements. The system generally meets the requirements of NFPA 24, ANSI, and AWWA. Cast iron, unlined steel pipe is used in the system. Line sizes are extremely conservative and, because of TVA's extensive testing and flushing program, tuberculation has not proved a serious problem at previous plants. Means for treating and flushing the entire fire water system are provided and a comprehensive program for regularly scheduled maintenance of this system is planned.

The yard fire main system incorporates postindicator valves and wrench-operated curb-box valves. TVA has instituted rigorous administrative controls to prevent improper use of these valves. A valve surveillance program has been established to ensure proper valve alignment of these valves on a periodic basis (at least once per 31 days).

Postindicator valves will be sealed and inspected for proper valve alignment at least once per 31 days.

The high-pressure fire protection system is shared with the raw service water system; however, automatic isolation valves are provided to isolate the raw service water storage tanks from the high-pressure fire protection system when any fire pump is started.

COMPARISON TO APPENDIX A OF THE BRANCH TECHNICAL

POSITION 9.5-1 - JANUARY 1984

Change paragraph E.3.b to read:

Item (b)

TVA has not elected to provide electrical supervision for valves in the fire protection system. TVA has instituted rigorous administrative controls to prevent improper use of these valves. A valve surveillance program has been established to ensure proper valve alignment on a periodic basis (at least once per 31 days). Isolation valves in the water flow path will be sealed and inspected at least once per 31 days for proper alignment.